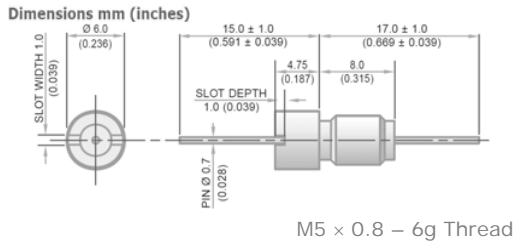
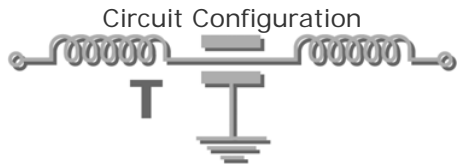


**Filter Type**  
**SFLMT**

**Feedthrough EMI Filter Datasheet**

(M5 Thread : 6.0mm Round Head)



M5 x 0.8 – 6g Thread

Electrical Details	
Electrical Configuration	T Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	10A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	450nH
Mechanical Details	
Head Diameter	6.0mm (0.236")
Nut A/F	N/a. For use in tapped hole
Washer Diameter	N/a
Mounting Torque (Maximum)	0.3Nm (2.65lbf in)
Mounting Hole	M5 x 0.8 – 6h
Max. Panel Thickness	N/a
Weight (Typical)	2.0g (0.07oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance ±20%	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical Insertion Loss (db)						
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz	
*SFLMT5000100ZC	10pF -20% / +80%	COG	500	750							9
SFLMT5000150ZC	15pF -20% / +80%	COG	500	750							11
SFLMT5000220ZC	22pF -20% / +80%	COG	500	750						1	14
SFLMT5000330ZC	33pF -20% / +80%	COG	500	750						2	18
*SFLMT5000470ZC	47pF -20% / +80%	COG	500	750						4	20
*SFLMT5000680MC	68pF	COG	500	750						6	23
*SFLMT5000101MC	100pF	COG	500	750						9	27
SFLMT5000151MC	150pF	COG	500	750						12	30
*SFLMT5000221MC	220pF	COG	500	750						15	33
*SFLMT5000331MC	330pF	COG	500	750						1	19
*SFLMT5000471MC	470pF	†X7R	500	750						2	21
SFLMT5000681MC	680pF	†X7R	500	750						4	24
*SFLMT5000102MX	1.0nF	X7R	500	750						7	28
SFLMT5000152MX	1.5nF	X7R	500	750						10	30
*SFLMT5000222MX	2.2nF	X7R	500	750						13	34
SFLMT5000332MX	3.3nF	X7R	500	750						17	38
*SFLMT5000472MX	4.7nF	X7R	500	750						19	40
SFLMT5000682MX	6.8nF	X7R	500	750						1	23
*SFLMT5000103MX	10nF	X7R	500	750						4	26
*SFLMT5000153MX	15nF	X7R	500	750						7	29
*SFLMT5000223MX	22nF	X7R	500	750						10	33
SFLMT5000333MX	33nF	X7R	500	750						14	36
*SFLMT2000473MX	47nF	X7R	200	500		1	17	39	52	>70	
SFLMT2000683MX	68nF	X7R	200	500		2	20	42	57	>70	
SFLMT1000104MX	100nF	X7R	100	250		4	22	46	62	>70	
SFLMT0500154MX	150nF	X7R	50	125		7	25	49	68	>70	

\* Recommended values

† Also available in COG

**Ordering Information**

Type	Case Style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Capacitance Tolerance	Dielectric	Nuts & washers
SF	L	M	T	500	0102	M	X	O
Syfer Filter	6.0mm O.D.	M5	T = T Filter	050 = 50V 100 = 100V 200 = 200V 500 = 500V	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is the number of zeros following. Examples: 0101 = 100pF 0332 = 3300pF	M = ±20% Z = -20+80%	C = COG/NPO X = X7R	O = Without

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

Please refer specific requests to the factory.

